

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

### STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Ronald M. Willett, et al.

Application No./Patent No.: 10/807,986 Filed/Issue Date: 03/24/2004

Entitled: Methods of Isolating Hydrafjet Stimulated Zones

Halliburton Energy Services, Inc., a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015516, Frame 0097, or for which a copy thereof is attached.

OR

B  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

John W. Wustenberg  
Signature

John W. Wustenberg

Printed or Typed Name

24 FEB 05  
Date

580-251-3125

Telephone Number

Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**ASSIGNMENT**

Whereas, I/We, **Leldon Mark Farabee** of Houston, Harris County, Texas, has invented **“Methods of Isolating Hydراjet Stimulated Zones”** for which I have made application for Letters Patent of the United States; and

Whereas, **HALLIBURTON ENERGY SERVICES, INC.**, a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto **HALLIBURTON ENERGY SERVICES, INC.**, its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application serial number 10/807,986 filed on 03/24/2004, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by **HALLIBURTON ENERGY SERVICES, INC.**, for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to **HALLIBURTON ENERGY SERVICES, INC.**, its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 8 day of Feb, 2005, at Houston, Harris County, Texas,  
U.S.A.

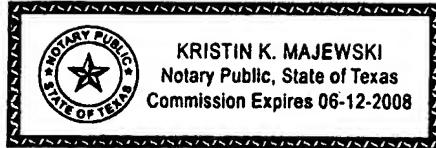
Ledbra Nels Feller  
Signature

**Signature**

STATE OF TEXAS )  
 ) ss  
COUNTY OF HARRIS )

Before me personally appeared said **Leldon Mark Farabee** and acknowledged the foregoing instrument to be his free act and deed this 10 day of February, 2005.

Seal



Kristin K. Majewski  
(Notary)

(Notary)



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 05, 2005

HALLIBURTON ENERGY SERVICES  
JOHN W. WUSTENBERG  
2600 SOUTH SECOND STREET  
DUNCAN, OK 43536-0440

RECEIVED



\*102782806A\*

JAN 13 2005

JOHN W. WUSTENBERG

### UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/25/2004

REEL/FRAME: 015516/0097

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

WILLETT, RONALD M.

DOC DATE: 06/15/2004

ASSIGNOR:

SURJAATMADJA, JIM B.

DOC DATE: 06/17/2004

ASSIGNOR:

MCDANIEL, BILLY W.

DOC DATE: 06/21/2004

ASSIGNEE:

HALLIBURTON ENERGY SERVICES, INC.  
10200 BELLAIRE BOULEVARD  
HOUSTON, TEXAS 77072

SERIAL NUMBER: 10807986

FILING DATE: 03/24/2004

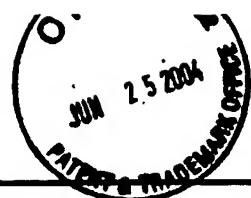
PATENT NUMBER:

ISSUE DATE:

TITLE: METHODS OF ISOLATING HYDRAJET STIMULATED ZONES

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

6/25/04



07-02-2004

Form PTO-1595  
(Rev. 10/02)

RECORDA

P

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings   DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

102782806

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Ronald M. Willett  
Jim B. Surjaatmadja  
Billy W. McDaniel

FEB 28 2005

## 2. Name and address of receiving party(ies)

Name: Halliburton Energy Services, Inc.

Internal Address: \_\_\_\_\_

Additional name(s) of conveying party(ies) attached?  Yes  No

## 3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

06/15/04 (Willett)  
06/17/04 (Surjaatmadja)

Execution Date: 06/21/04 (McDaniel)

Street Address: 10200 Bellaire Boulevard

City: Houston State: TX Zip: 77072

Additional name(s) & address(es) attached?  Yes  No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 10/807,986

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John W. Wustenberg

Internal Address: Halliburton Energy Services

Street Address: 2600 South Second Street

City: Duncan State: OK Zip: 73536-0440

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

 Enclosed Authorized to be charged to deposit account

## 8. Deposit account number:

08-0300

## 9. Signature.

John W. Wustenberg

Name of Person Signing

Signature

21 JUN 04

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

07/01/2004 LMUELLER 0000064 080300 10807986

01 FC:8021

40.00 DA

**ASSIGNMENT**

Whereas, I/We, Ronald M. Willett, of Midland County, Midland, Texas; Jim B. Surjaatmadja, of Stephens County, Duncan, Oklahoma, and Billy W. McDaniel, of Stephens County, Duncan, Oklahoma, have invented **METHODS OF ISOLATING HYDRAJET STIMULATED ZONES** for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application serial number 10/807,986 filed on March 24, 2004, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

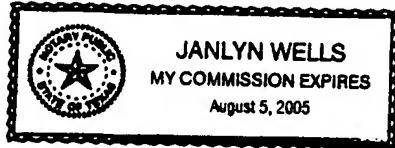
Executed this 15<sup>th</sup> day of June, 2004, at Midland, Midland County, Texas, U.S.A.

Ronald M. Willett  
Ronald M. Willett

STATE OF TEXAS )  
 ) ss  
COUNTY OF MIDLAND )

Before me personally appeared said Ronald M. Willett and acknowledged the foregoing instrument to be his free act and deed this 15<sup>th</sup> day of June, 2004.

Seal



Jaslyn Wells  
(Notary)

My Commission Expires: 8-5-2005

Executed this 17 day of June, 2004, at Duncan, Stephens County, Oklahoma, U.S.A.

  
Jim B. Surjaatmadja

STATE OF OKLAHOMA )  
COUNTY OF STEPHENS )

Before me personally appeared said Jim B.Surjaatmadja and acknowledged the foregoing instrument to be his free act and deed this 17th day of June, 2004.

Seal

Sheila Gibbs  
(Notary)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

Executed this 21st day of June, 2004, at Duncan, Stephens County, Oklahoma, U.S.A.

Billy W. McDaniel  
Billy W. McDaniel

STATE OF OKLAHOMA      )  
                            )  
COUNTY OF STEPHENS    )

Before me personally appeared said Billy W. McDaniel and acknowledged the foregoing instrument to be his free act and deed this 21st day of June, 2004.

Seal

Shirley Gibbs  
(Notary)

My Commission Expires: September 13, 2004  
Commission Number: 00014119



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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION**  
(37 CFR 1.63)

Declaration  
Submitted  
With Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number	HES 2003-IP-013013U1
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First Named Inventor	Ronald M. Willett, et al.
----------------------	---------------------------

**COMPLETE IF KNOWN**

Application Number	10/807,986
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Filing Date	03/24/2004
-------------	------------

Art Unit	3672
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Examiner Name	
---------------	--

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Methods of Isolating Hydrafjet Stimulated Zones**

*(Title of the Invention)*

the specification of which

is attached hereto

**OR**

was filed on (MM/DD/YYYY) 03/24/2004 as United States Application Number or PCT International

Application Number 10/807,986 and was amended on (MM/DD/YYYY)   (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

Direct all correspondence to:  The address associated with Customer Number: 29920 OR  Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

A petition has been filed for this unsigned inventor

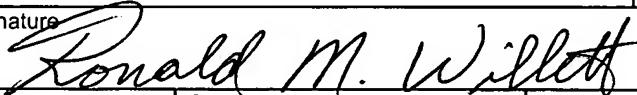
Given Name (first and middle [if any])

Family Name or Surname

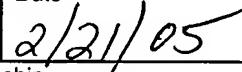
Ronald M.

Willett

Inventor's Signature



Date



Residence: City

State

Country

Citizenship

Midland

TX

USA

US

Mailing Address  
5614 Hathaway Court

City

Midland

State

TX

Zip

79707

Country

US

NAME OF SECOND INVENTOR:

A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

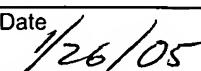
Jim B.

Surjaatmadja

Inventor's Signature



Date



Residence: City

Duncan

State

OK

Country

USA

Citizenship

US

Mailing Address  
1105 Timbercreek Drive

City

Duncan

State

OK

Zip

73533

Country

USA

Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.



PTO/SB/02A (09-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## DECLARATION

### ADDITIONAL INVENTOR(S) Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Billy W.	McDaniel		
Inventor's Signature	<i>Billy W. McDaniel</i>		Date 2/16/05
Duncan	OK	USA	US
Residence: City	State	Country	Citizenship
Route 4, Box 233P			
Mailing Address			
Duncan	OK	73533	USA
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Leldon Mark	Farabee		
Inventor's Signature	<i>Leldon Mark Farabee</i>		Date 2-8-05
Houston	TX	USA	US
Residence: City	State	Country	Citizenship
14015 Canaan Bridge			
Mailing Address			
Houston	TX	77041	USA
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature			
Date			
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

FEB 28 2005

In re application of: Ronald M. Willett, et al.

Application No.: 10 / 807,986 Group No.: 3672

Filed: 03/24/2004 Examiner:

For: Methods of Isolating Hydrafjet Stimulated Zones

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**ASSENT OF ASSIGNEE TO CORRECTION  
AND/OR ADDITION OF INVENTOR(S)**Halliburton Energy Services, Inc.

(type or print name of assignee)

10200 Bellaire Blvd.

Address

Houston, Texas 77072

**Assignment** recorded on 06/25/2004Reel 015516Frame 0097 recorded herewith A separate  "ASSIGNMENT" (DOCUMENT) COVER SHEET is attached.

or

 FORM PTO 1595 is attached.

Assignee hereby assents to the correction of inventorship filed

 herewith. on \_\_\_\_\_**CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))**

I hereby certify that this correspondence is, on the date shown below, being:

**MAILING**

deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450

**FACSIMILE**

transmitted by facsimile to the Patent and Trademark Office.

Signature

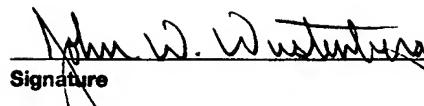
Tammy Knight

(type or print name of person certifying)

Date: 2/24/05

**ASSIGNEE STATEMENT**

A "STATEMENT UNDER 37 C.F.R. § 3.73(b)" is attached.

  
Signature

John W. Wustenberg

(type or print name and title of person authorized to sign  
on behalf of assignee)

(Assent of Assignee to Correction and/or Addition of Inventor(s) [9-23]—page 2 of 2)